

# 29.1 Review

Grade: 9th  
Subject: Earth Science  
Date: 5/15

May 15-10:44 AM

1 The sun converts matter into energy in the...

- A corona
- B convection zone
- C radiative zone
- ☒ D core

May 15-10:46 AM

2 Most of the sun's energy is a result of ...

- ☒ A nuclear fusion
- ☐ B nuclear fission
- ☐ C atomic reactions
- ☐ D coronal mass ejection

May 15-10:47 AM

3 When hydrogen nuclei fuse into helium nuclei...

- ☐ A the nuclei die
- ☒ B energy is released
- ☐ C particles collide
- ☐ D particles neutralize

May 15-10:47 AM

4 In the sun's radiative zone, energy moves...

- A by convection
- B by radiation
- ☒ C by solar wind
- D by solar ejection

May 15-10:48 AM

5 The magnetic field of the sun's corona...

- ☒ A stops some subatomic particles
- B stops all subatomic particles
- C cannot stop any subatomic particles
- D causes Earth to be polarized

May 15-10:49 AM

6 The area between the radiative zone and the photosphere where energy is carried upward by the movement of gases is called the \_\_\_\_\_.

Convective Zone

May 15-10:50 AM

7 The visible surface of the sun is known as the

\_\_\_\_\_.

Photosphere

May 15-10:51 AM

8 The outermost layer of the sun's atmosphere is known as the \_\_\_\_\_.

*Corona*

May 15-10:51 AM

9 The \_\_\_\_\_ zone is the thin layer of gases, just above the photosphere...

May 15-10:53 AM

# 29.2 Review

Grade: 9th  
Subject: Earth Science  
Date: 5/16

May 16-9:52 AM

1 Auroras are frequently seen...

- A near the equator
- ☒ B after solar flares
- C before a sunspot cycle
- D every 11 years

May 16-9:53 AM

2 What temperature can a solar flare reach?

- A 15,000,000 C
- B 1,000,000 C
- ☒ C 20,000,000 C
- D 2,000,000 C

May 16-9:54 AM

3 Which of the following is NOT a solar ejection?

- A solar flare
- B coronal mass ejection
- C prominence
- ☒ D sunspot

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May 16-9:55 AM

4 Sunspots vary in a cycle that lasts about...

- A 100,000 years
- B 1,100 years
- C 110 years
- ☒ D 11 years

May 16-9:56 AM

5 Strong magnetic fields on regions of the sun lead to sunspots because...

- ☒ A convection slows and energy decreases
- B convection increases and energy increases
- C radiation slows and energy decreases
- D radiation increases and energy increases

May 16-9:57 AM



6 A sudden outward eruption of electrically charged particles is known as a \_\_\_\_\_.

Solar flare

May 16-9:57 AM

7 A part of the coronal gas thrown into space by the sun is called a ...

Cme

May 16-9:58 AM

8 A loop of incandescent gas that extends above the photosphere is called a \_\_\_\_\_.

Prominence

May 16-9:59 AM

9 A cooler, dark area of the photosphere, with a strong magnetic field is called a \_\_\_\_\_.

Sunspot

May 16-9:59 AM

10 A colored light produced when charged particles from solar wind react with Earth's upper atmosphere is called a(n) \_\_\_\_\_.

Aurora

May 16-10:00 AM

May 16-11:38 AM